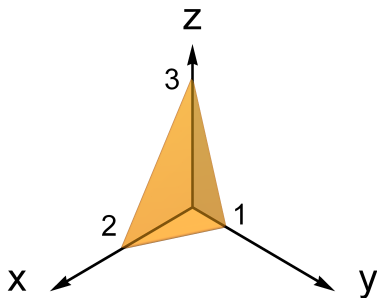


Double Integrals over General Regions



Question

For the tetrahedron shown, bound by the coordinate planes and the plane $3x + 6y + 2z = 6$, which formula would we integrate with respect to z and then y to compute the volume?

A. $3 - \frac{3}{2}x - 3y$ B. $2 - 2y - \frac{2}{3}z$

C. $1 - \frac{1}{2}x - \frac{1}{3}z$ D. $3x + 6y + 2z$